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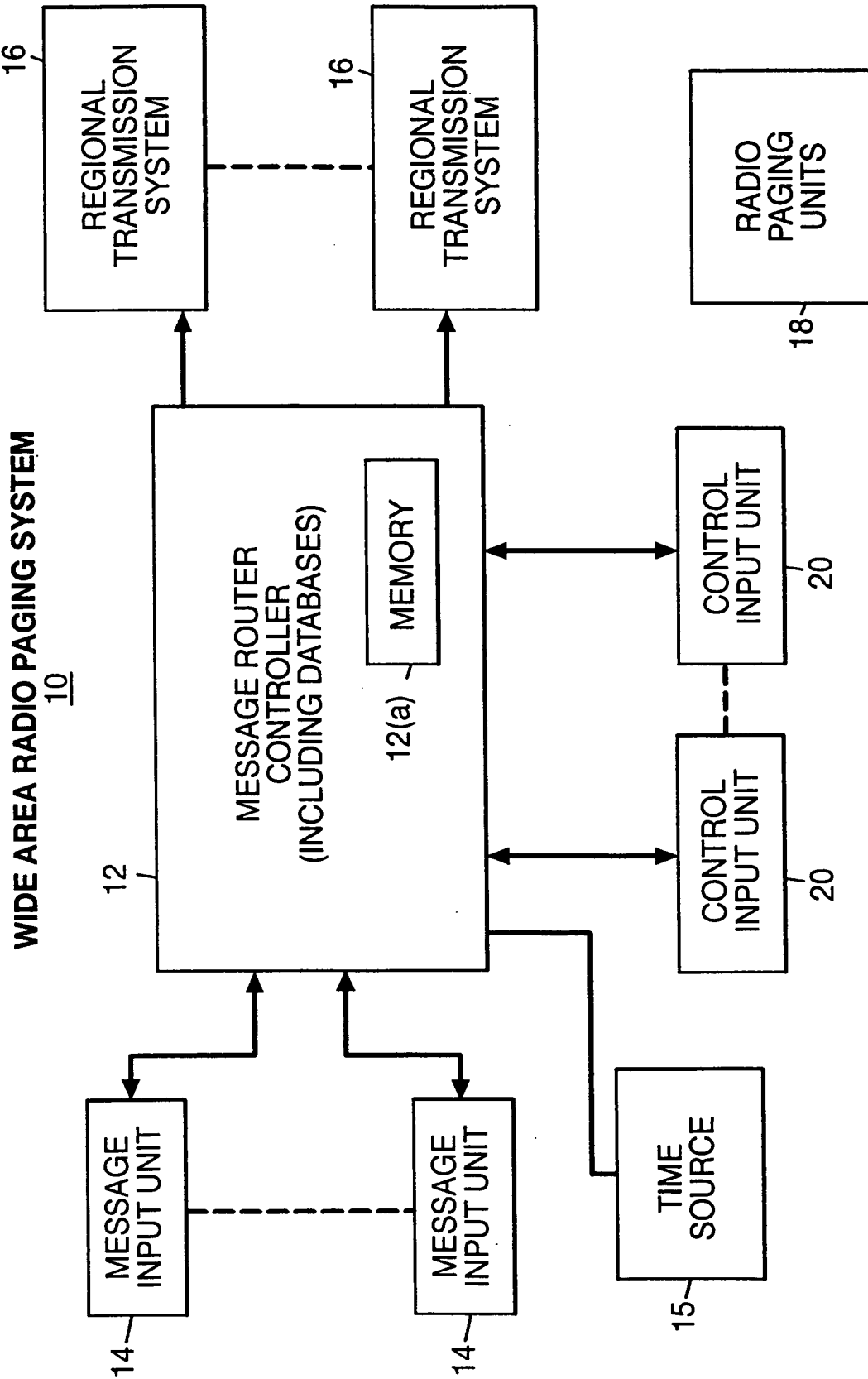
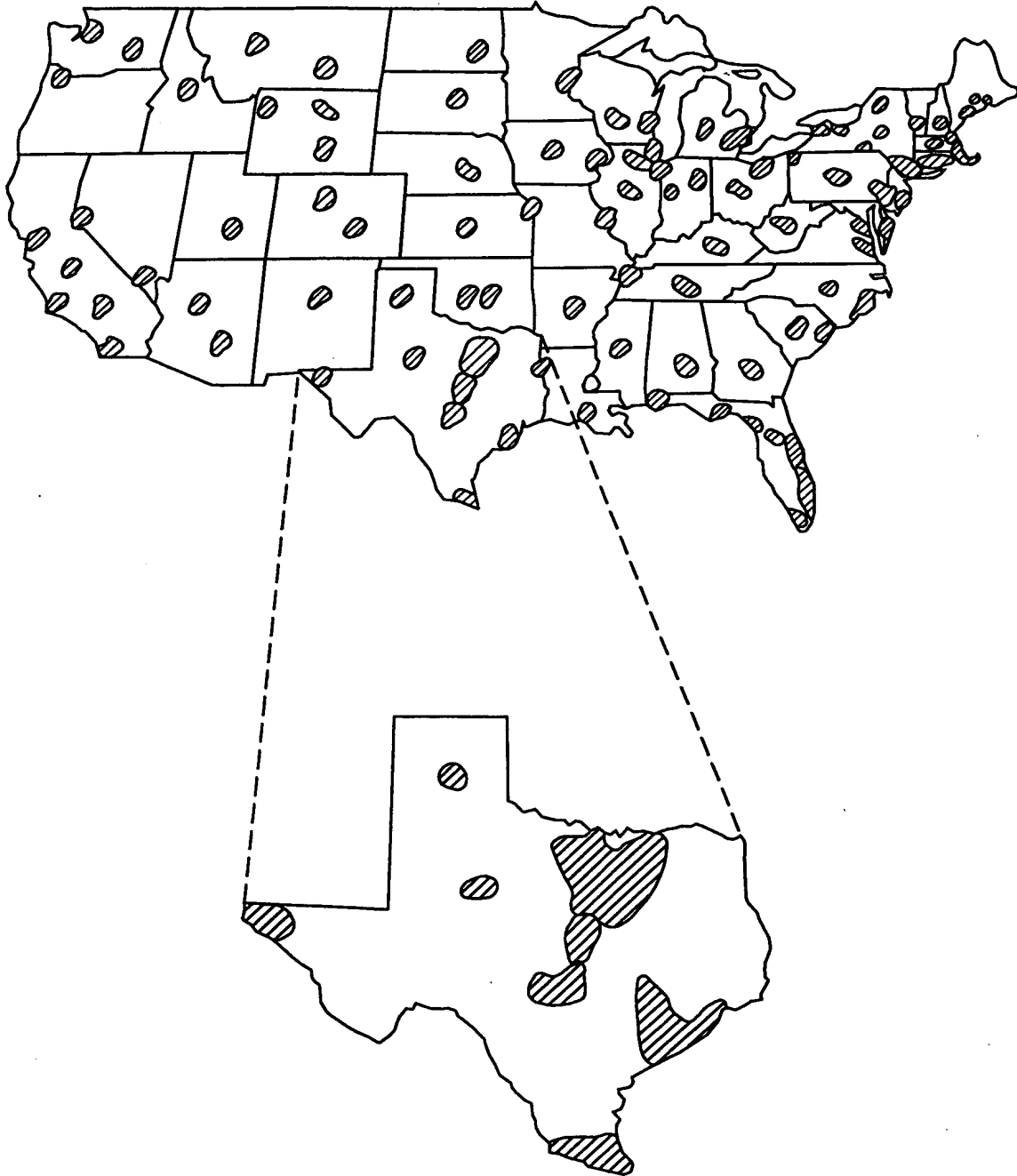


FIG. 1

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 = COVERAGE FROM REGIONAL TRANSMISSION SYSTEM(S)

FIG. 2

The diagram illustrates a paging system architecture. At the top, a **TIME SOURCE 23** is connected to a **SYSTEM MESSAGE GENERATOR 22**. The **SYSTEM MESSAGE GENERATOR 22** outputs to a **PAGING ENCODER 24**. **MESSAGES FROM MESSAGE ROUTER CONTROLLER** also feed into the **PAGING ENCODER 24**. The **PAGING ENCODER 24** is connected to a **REGIONAL SYSTEM CONTROLLER 26**. The **REGIONAL SYSTEM CONTROLLER 26** is connected to a **TRANSMITTER CONTROLLER 28(a)** via a **LINK(S) TO TRANSMITTER SITE(S)**. The **TRANSMITTER CONTROLLER 28(a)** is bidirectionally connected to a **TRANSMITTER 28(b)**. The **TRANSMITTER 28(b)** is connected to an antenna **28(c)**, which is labeled with a reference numeral **18**. A bracket labeled **28** groups the **TRANSMITTER CONTROLLER 28(a)** and **TRANSMITTER 28(b)** components. A page number **3/23** is located at the top right.

FIG. 3

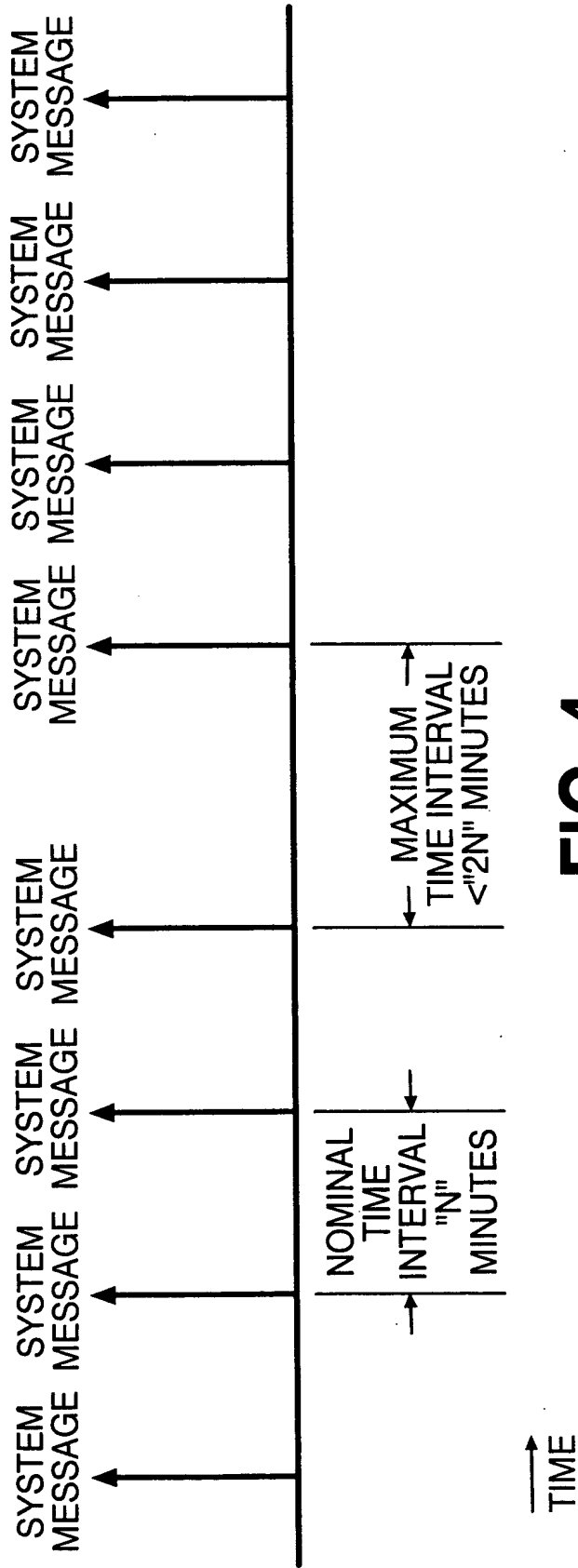


FIG. 4

SYSTEM MESSAGE	
REGIONAL SYSTEM ID (ReqID)	
SYSTEM TIME (SysTime)	
REGIONAL CONTROL INPUT ACCESS NUMBER (AccessNumber)	

FIG. 5

REGIONAL SYSTEM (RegID)

SYSTEM ID (SID) + REGIONAL ID (RID) + FREQUENCY (FID)															
SID								RID							

REGIONAL SYSTEM ID (RegID)
RegID = SID + RID + FID

BIT POSITIONS

SIDMASK = 1040384

RIDMASK = 8176

FIDMASK = 15

SUM OF MASKS = ALL ONES

RegID = 8289

SID = 8192

RID = 96

FID = 1

	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
52	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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FIG. 6

FIG. 7

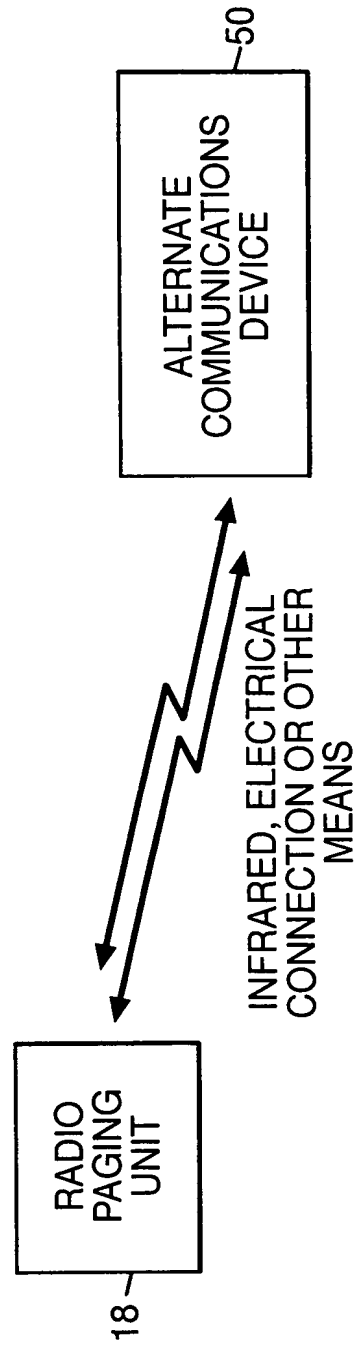
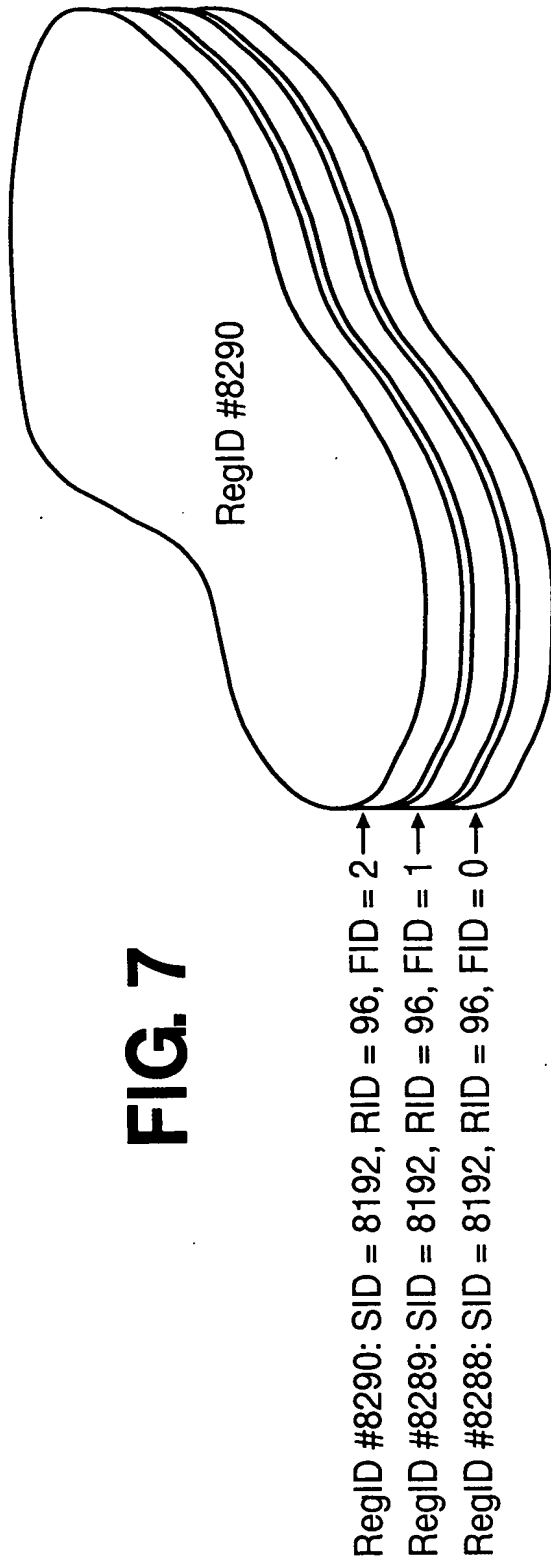


FIG. 10

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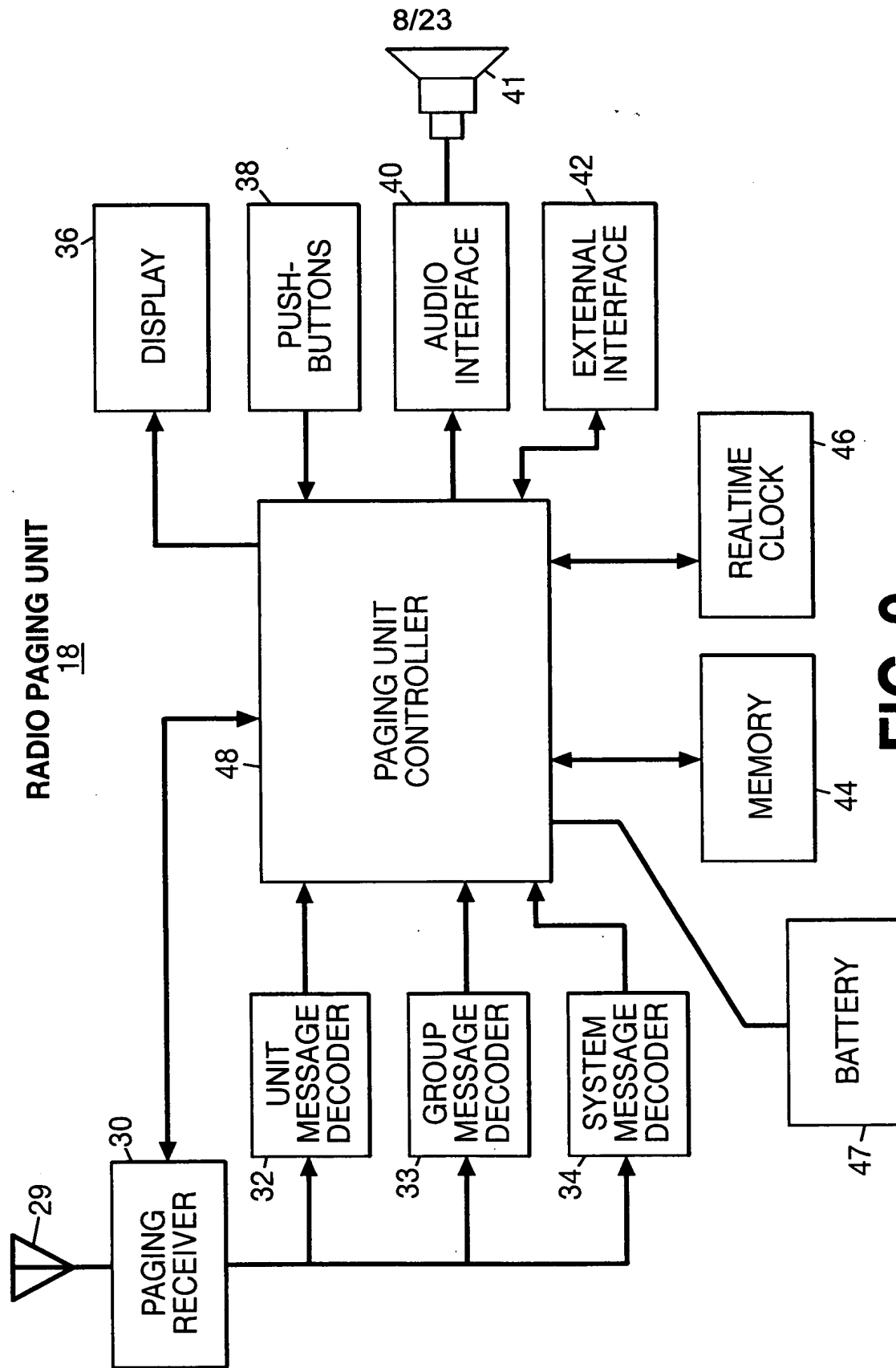


FIG. 9

CONFIRMATION MESSAGE (MESSAGE ADDRESSED TO UnitID)



FIG. 11

CONTROL INPUT INFORMATION
(AUTOMATIC OR SEMI-AUTOMATIC)

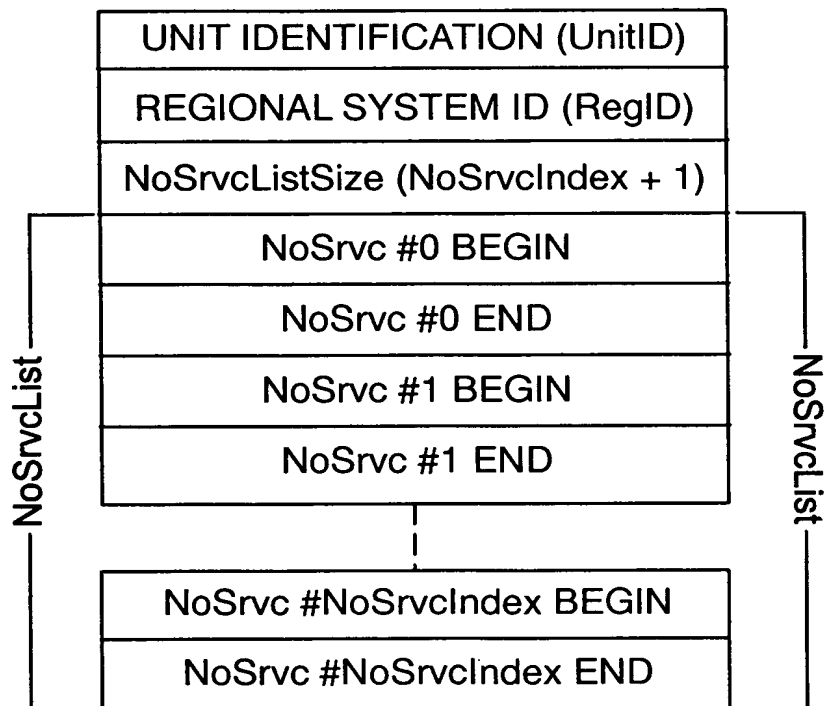


FIG. 15

RECEPTION OF SYSTEM MESSAGES WHEN MOVING BETWEEN REGIONAL TRANSMISSION SYSTEMS

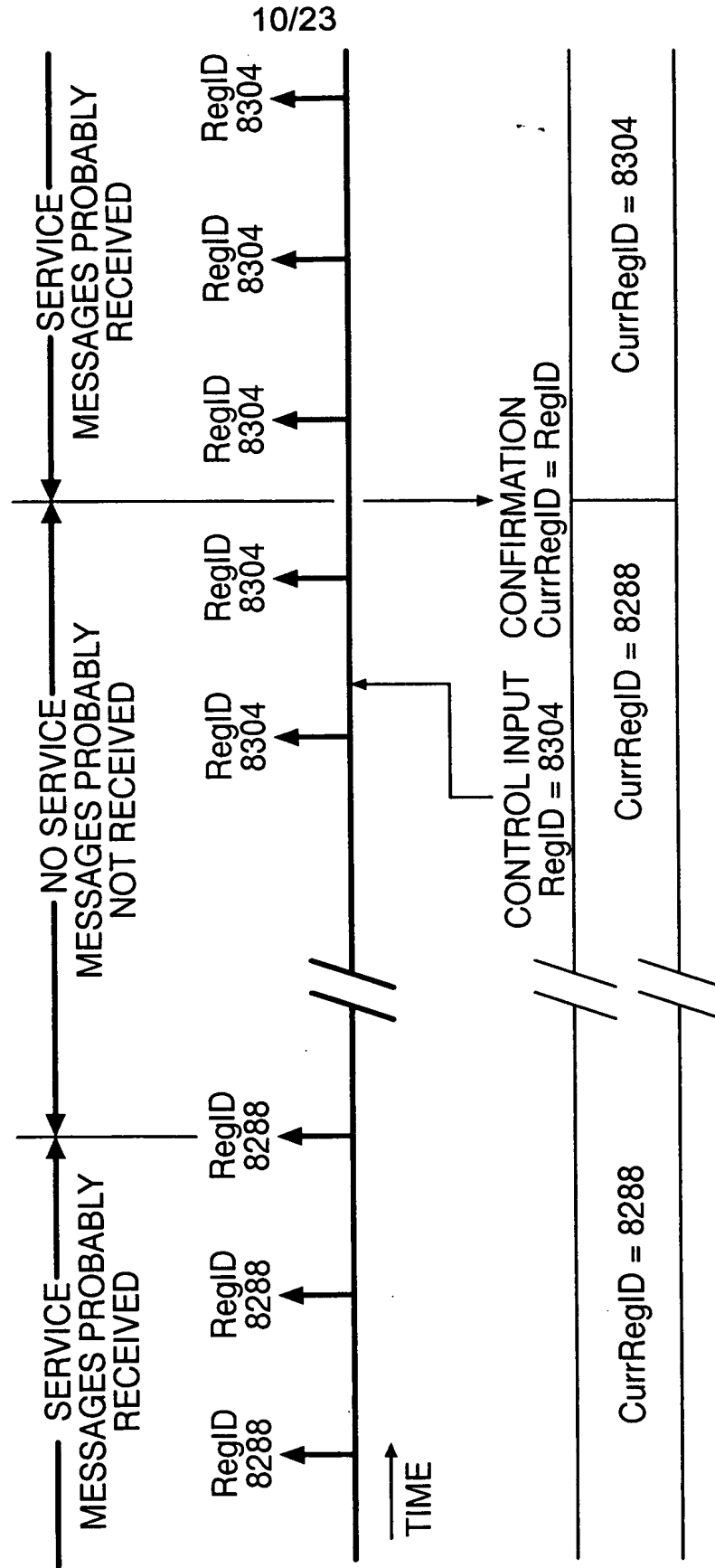


FIG. 12

RECEPTION OF SYSTEM MESSAGES WHEN MOVING OUT OF AND BACK INTO A REGIONAL TRANSMISSION SYSTEMS

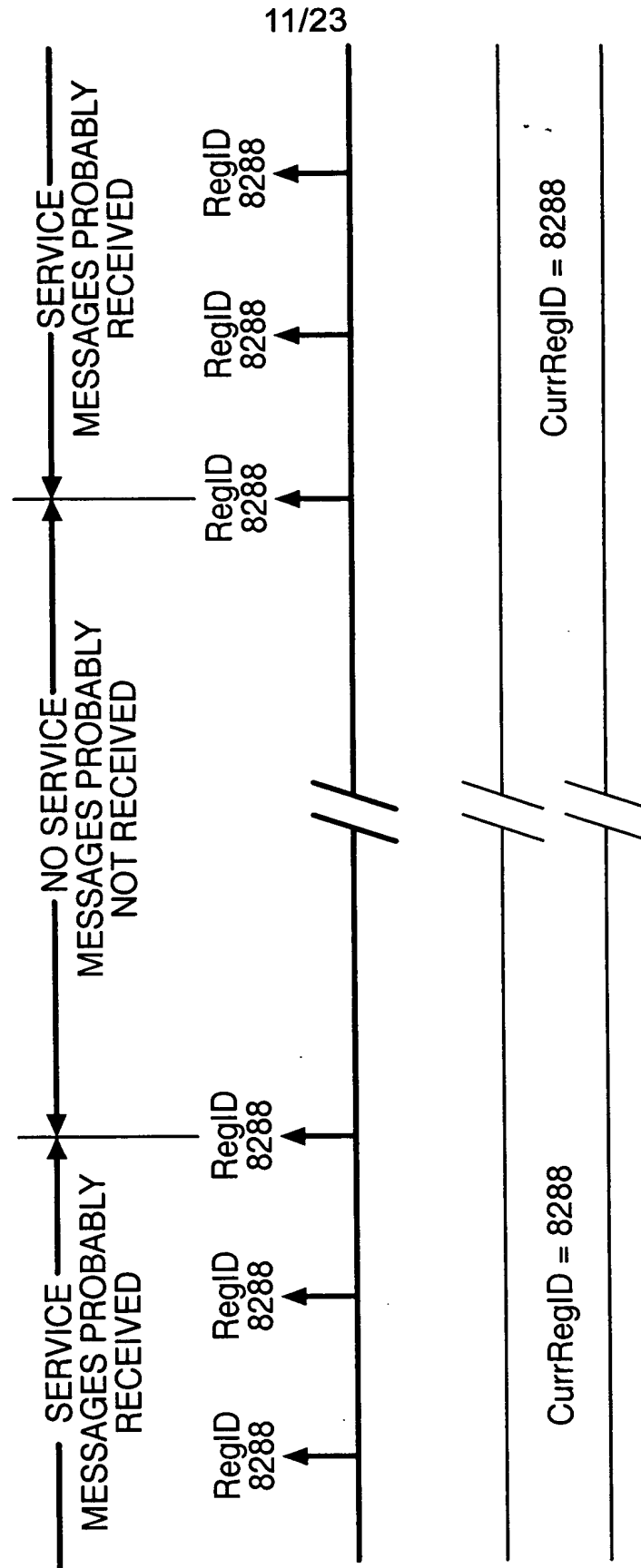


FIG. 13

NoSrcv MEMORY ARRAY		
	NO SERVICE MEMORY ARRAY INDEX (NoSrcvIndex)	
ELEMENT #0	BEGINNING TIME (BEGIN)	ENDING TIME (END)
ELEMENT #1	BEGINNING TIME (BEGIN)	ENDING TIME (END)
ELEMENT #2	BEGINNING TIME (BEGIN)	ENDING TIME (END)

FIG. 14**CONTROL INPUT INFORMATION (MANUAL)**

UNIT IDENTIFICATION (UnitID)
REGIONAL SYSTEM ID (RegID)
NumberOfHoursToRetransmit

NumberOfHoursToRetransmit = NoSrcv #
NoSrcvIndex END - NoSrcv #0 BEGIN

FIG. 16

ROUTING DATABASE

	MsgInID	GroupFlg	GroupID/UnitID	RegID
UNIT # 1	MsgInID #1	GroupFlg	GroupID/UnitID FOR MsgInID #1	CURRENT RegID FOR MsgInID #1
UNIT # 2	MsgInID #2	GroupFlg	GroupID/UnitID FOR MsgInID #1	CURRENT RegID FOR MsgInID #2
UNIT # 3	MsgInID #3	GroupFlg	GroupID/UnitID FOR MsgInID #1	CURRENT RegID FOR MsgInID #3

FIG. 17

MESSAGE DATABASE

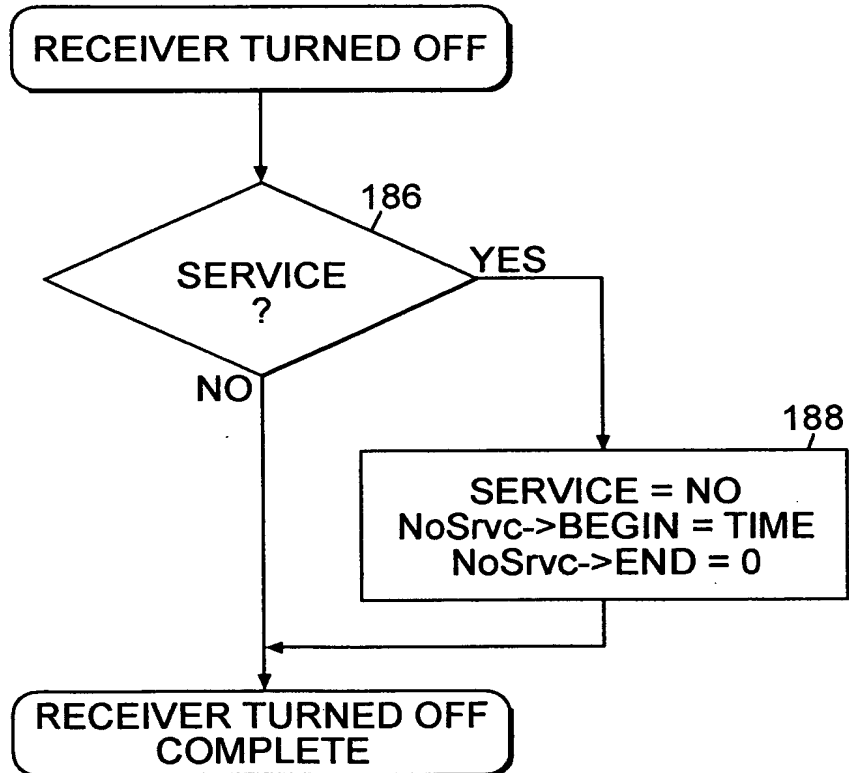
	UnitID	Msg	TIME
MESSAGE #1	UnitID	THIS MESSAGE	TIME MESSAGE SENT
MESSAGE #2	UnitID	THIS MESSAGE	TIME MESSAGE SENT
MESSAGE #3	UnitID	THIS MESSAGE	TIME MESSAGE SENT

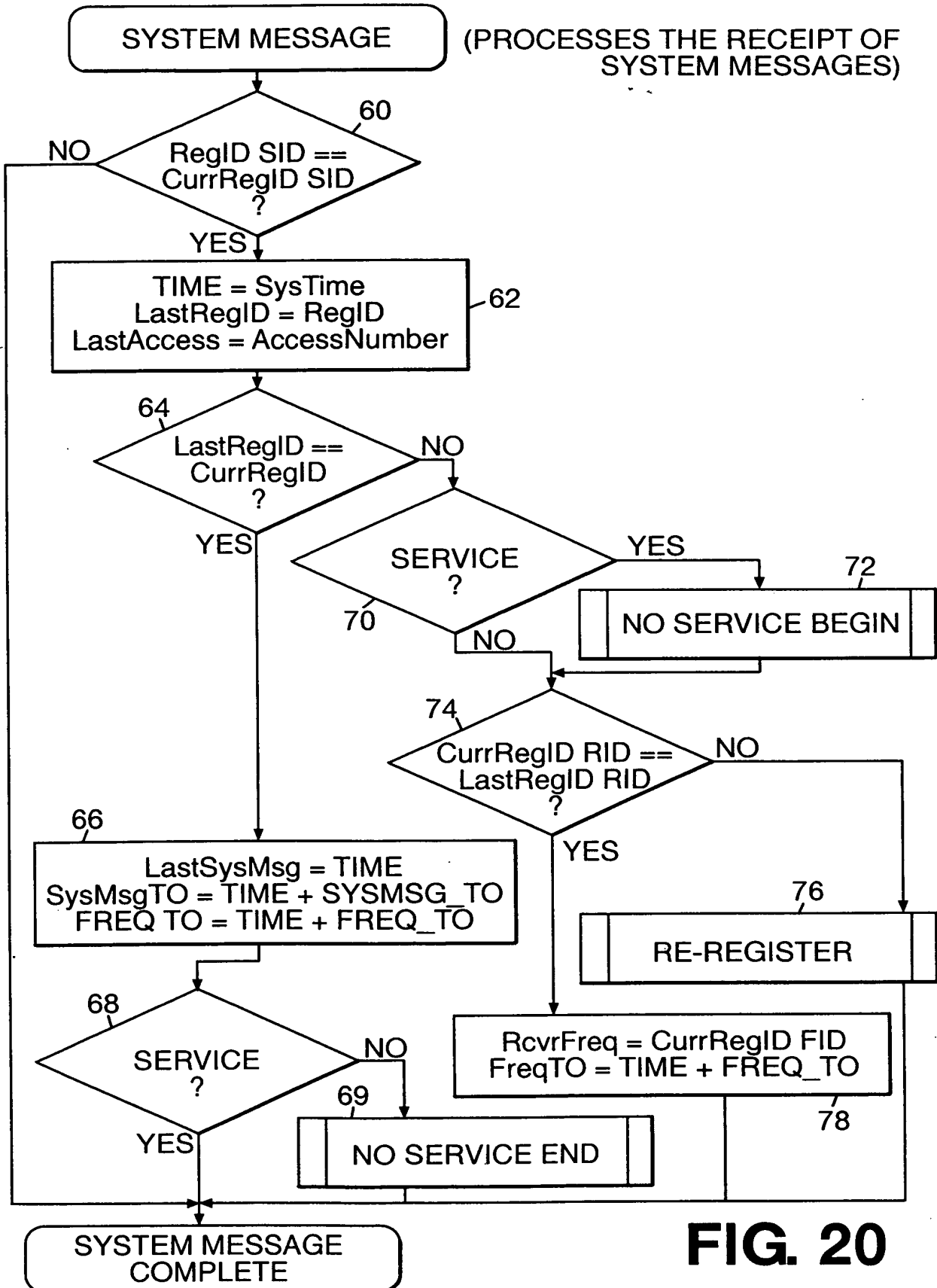
FIG. 18

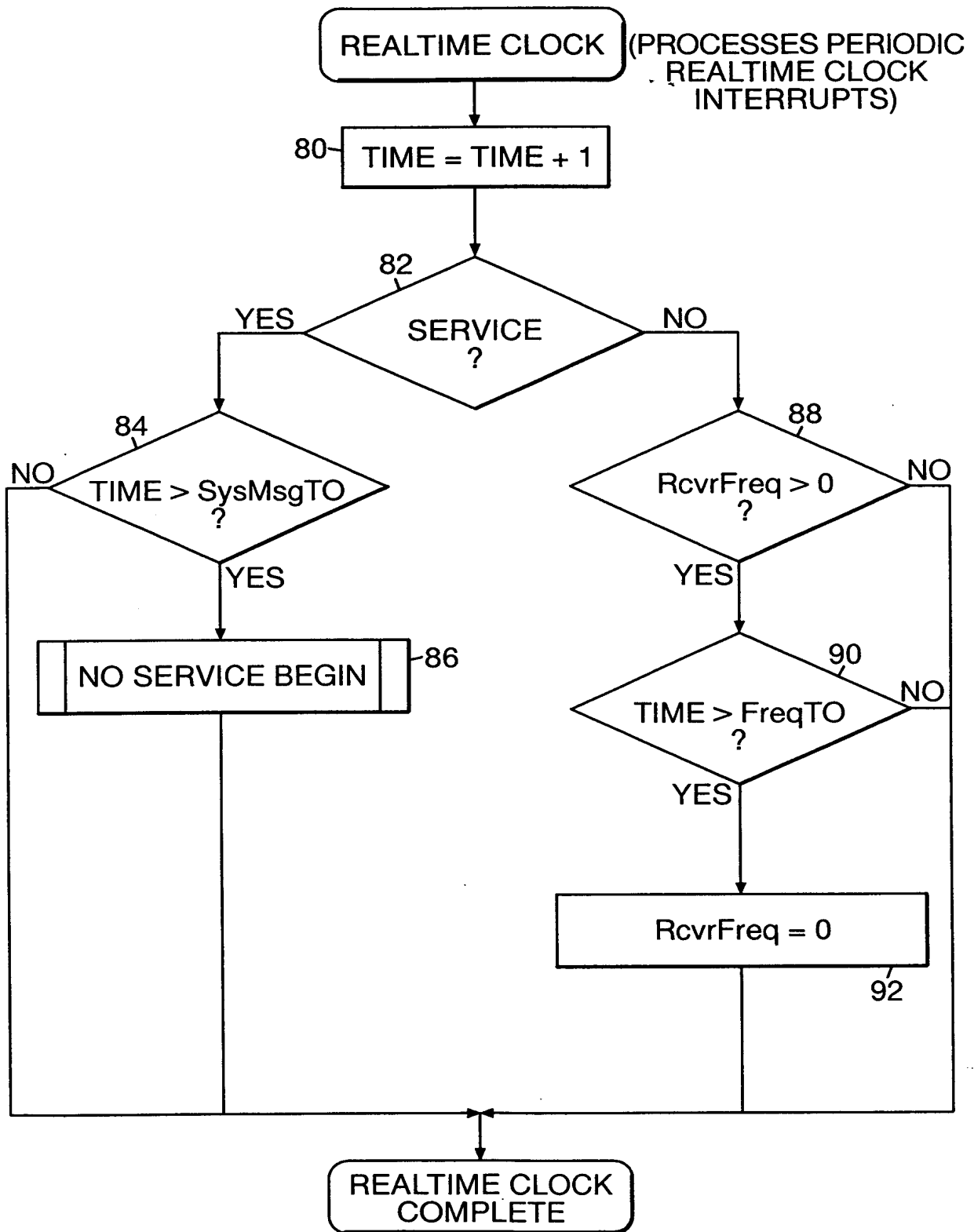
GroupID	GROUP LIST
GroupID #1	VARIABLE LENGTH LIST OF UnitIDs IN THIS GROUP
GroupID #2	VARIABLE LENGTH LIST OF UnitIDs IN THIS GROUP
GroupID #3	VARIABLE LENGTH LIST OF UnitIDs IN THIS GROUP

FIG. 19

(CALLED AS A PART OF ROUTINE TO
LOGICALLY TURN RECEIVER OFF)

**FIG. 24**

**FIG. 20**

**FIG. 21**

(CALLED BY VARIOUS ROUTINES TO
BEGIN NoService INTERVAL)

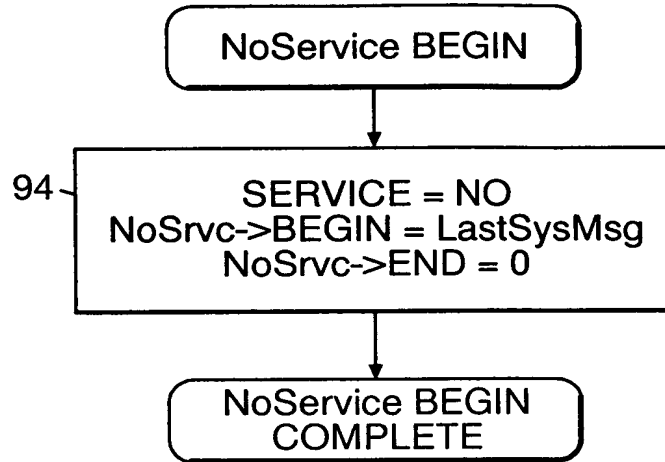


FIG. 22

(CALLED BY VARIOUS ROUTINES TO
BEGIN NoService INTERVAL)

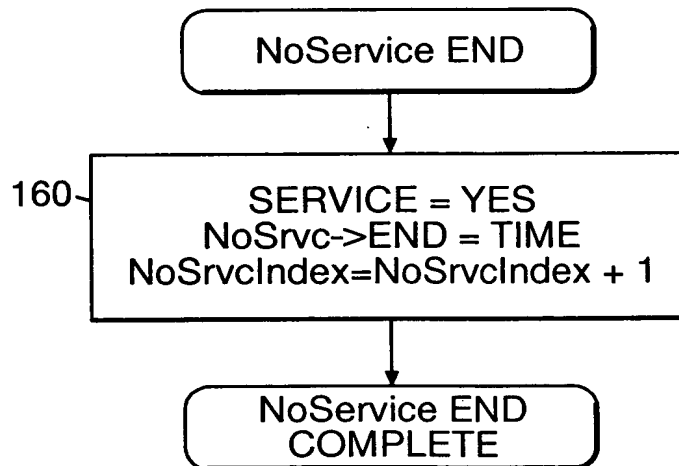
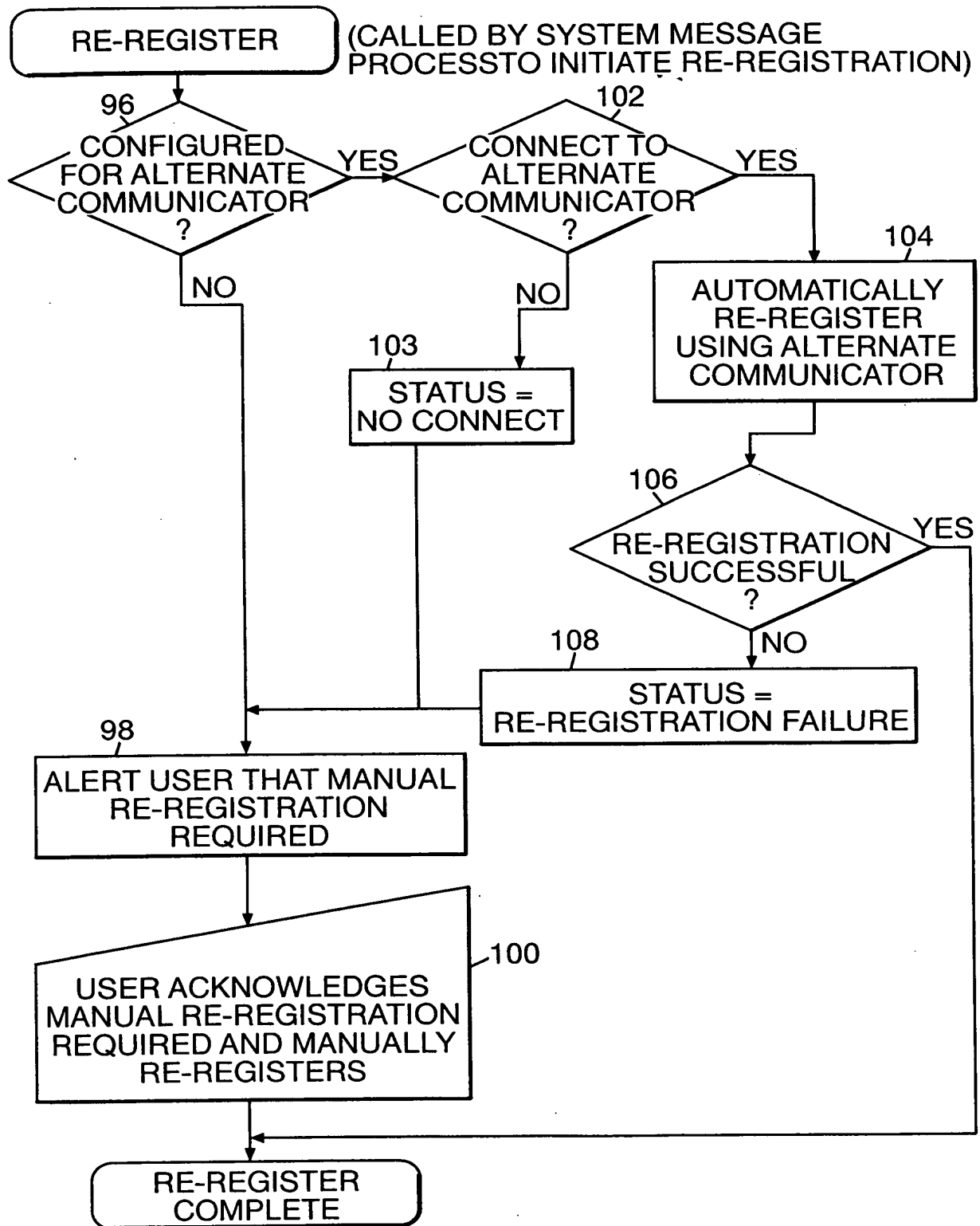
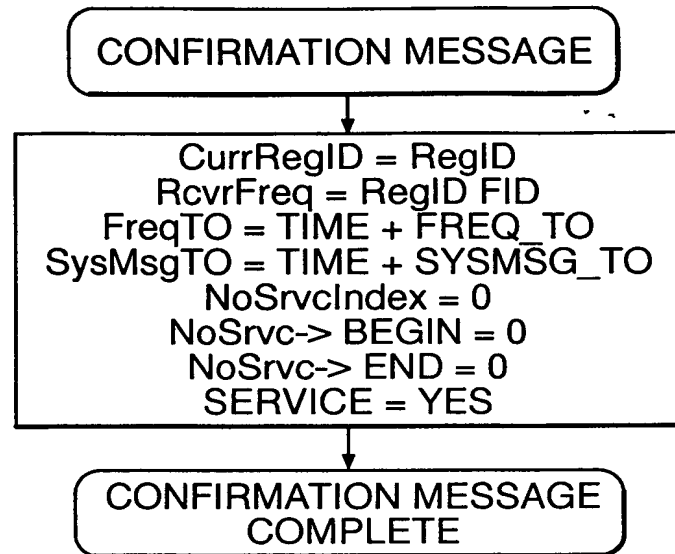
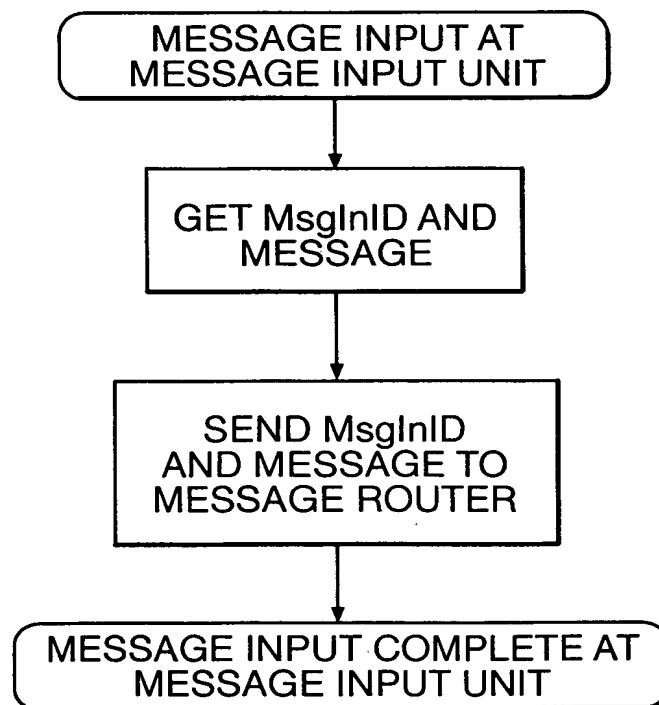


FIG. 23

**FIG. 25**

**FIG. 26****FIG. 28a**

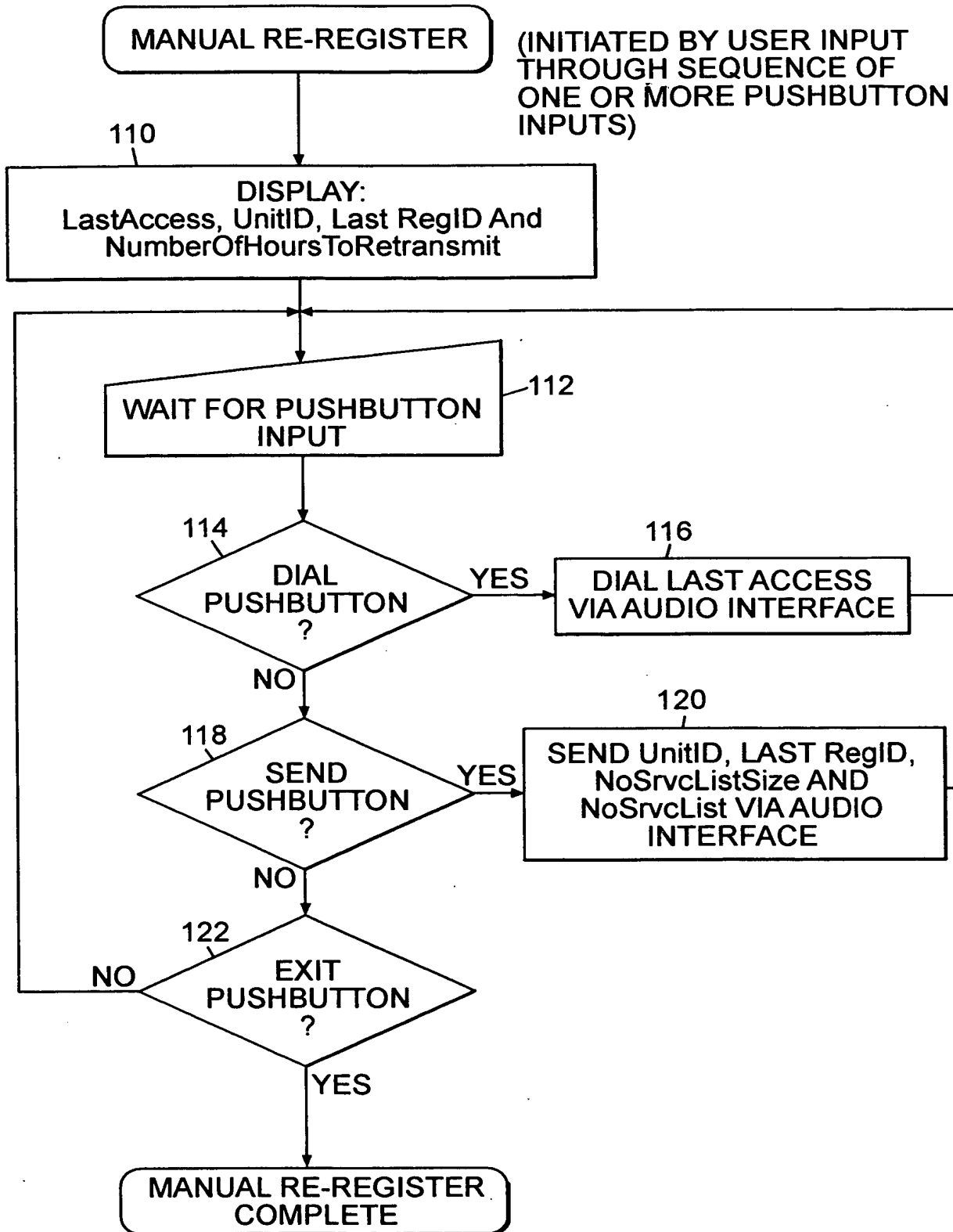


FIG. 27

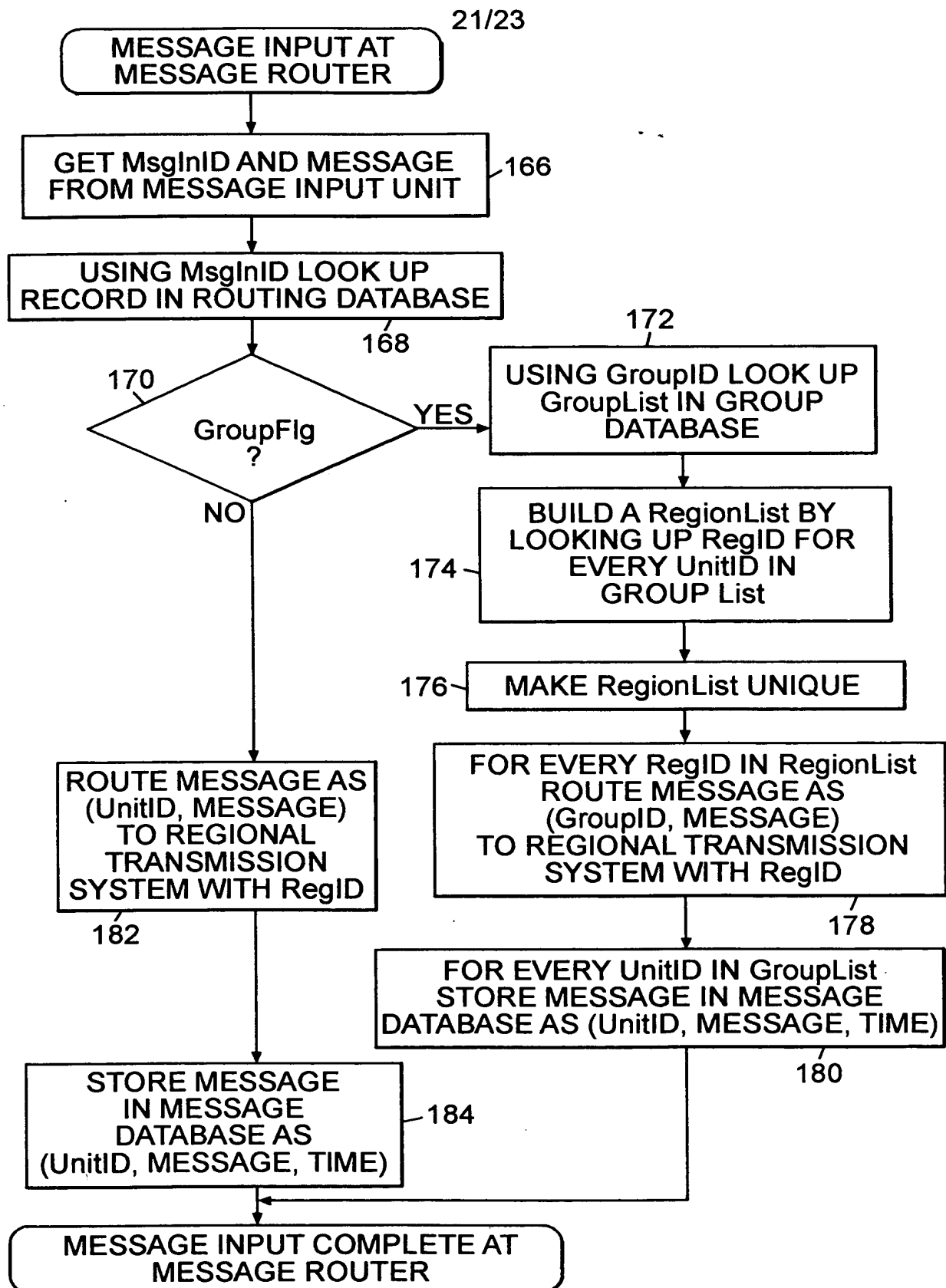


FIG. 28b

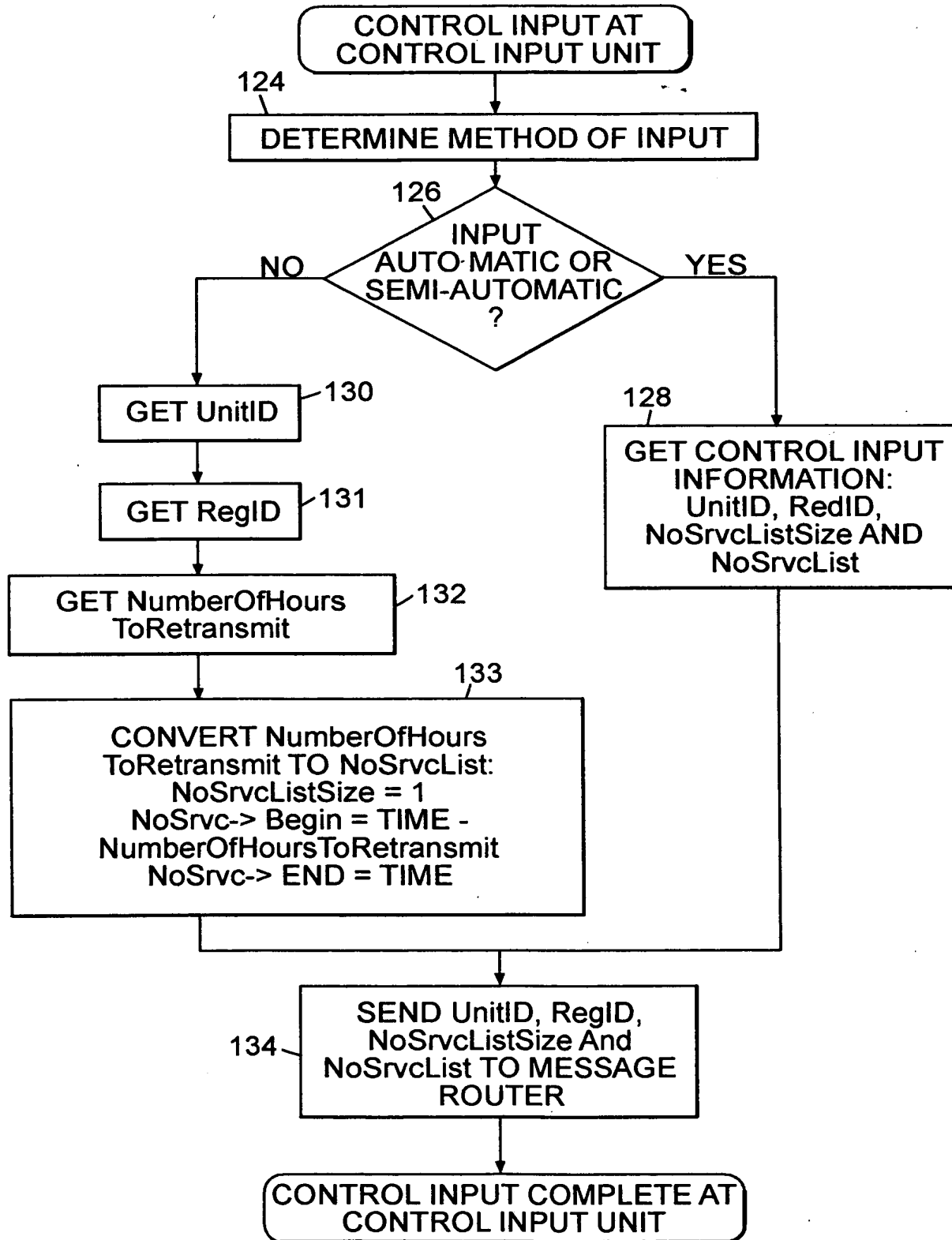


FIG. 29a

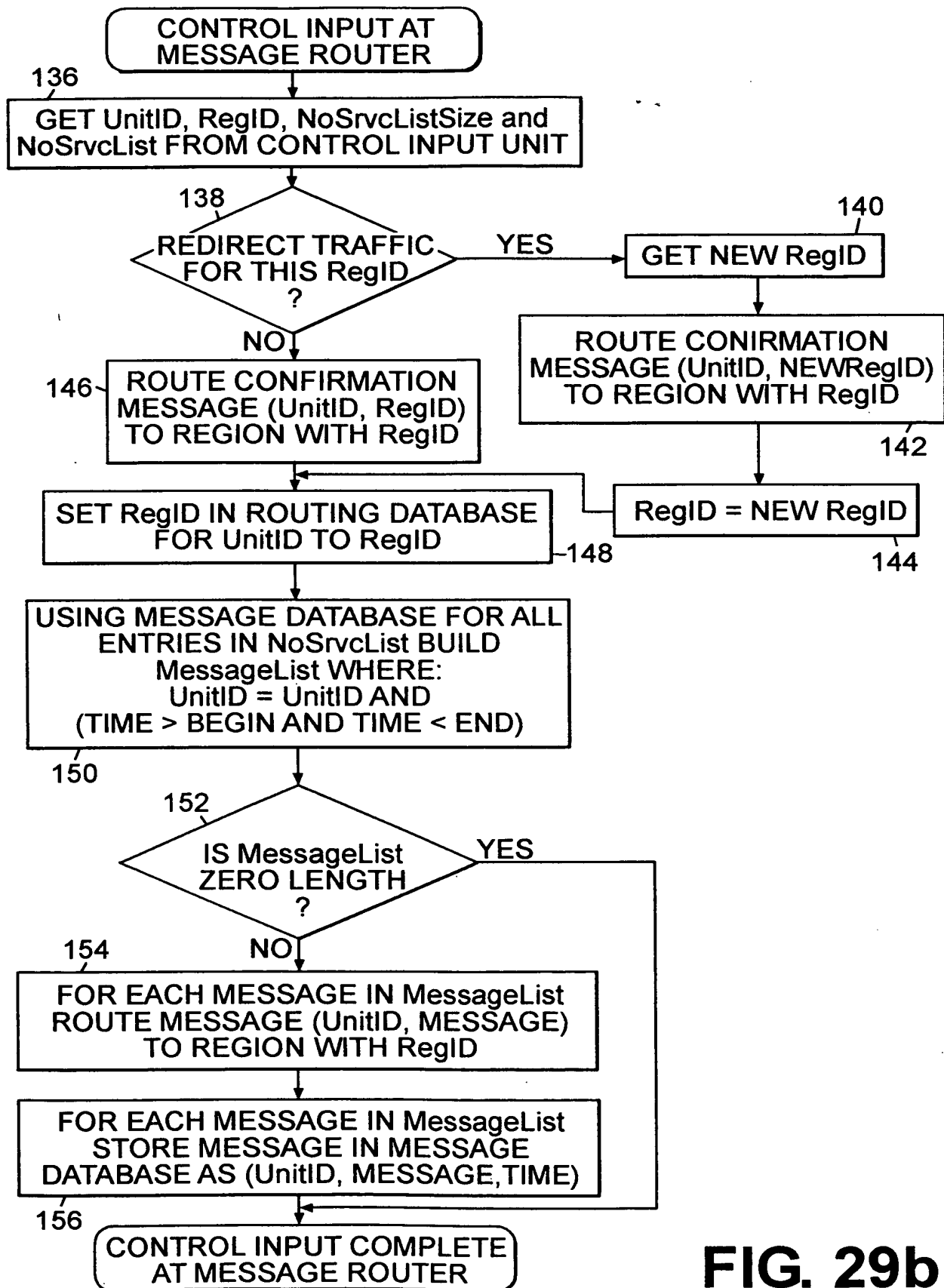


FIG. 29b